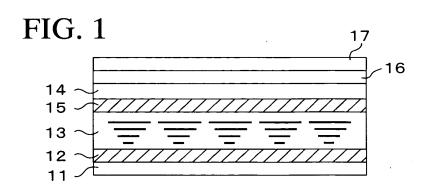
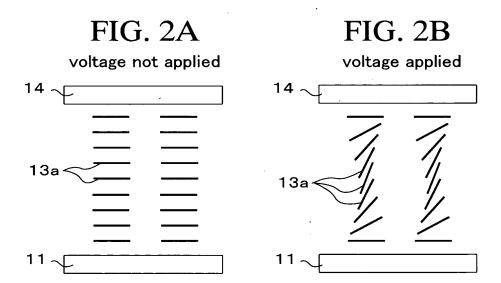
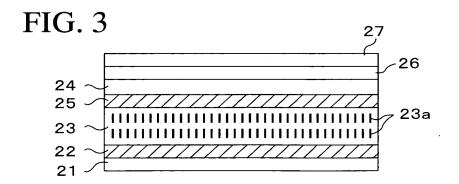
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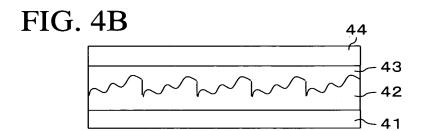






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FIG. 4A



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FIG. 5

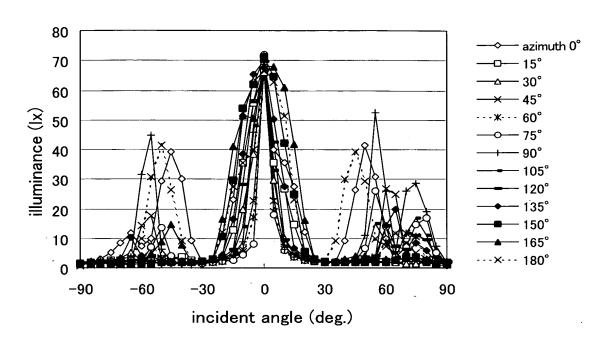


FIG. 6

80

luminous flux incident on a mobile information terminal user (obstacle)

side view

top view

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FIG. 7

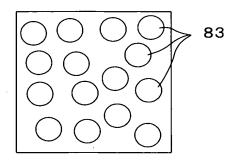


FIG. 8A

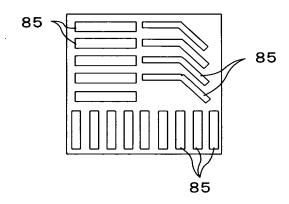
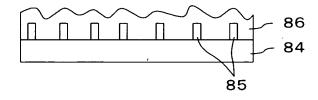


FIG. 8B



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FIG. 9A

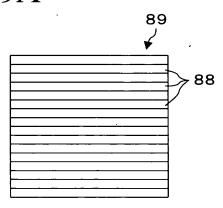
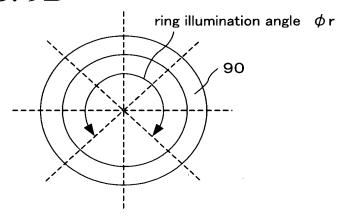
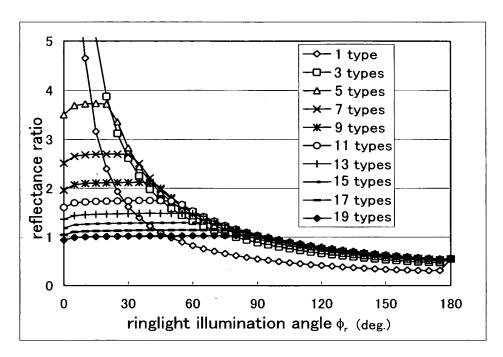


FIG. 9B



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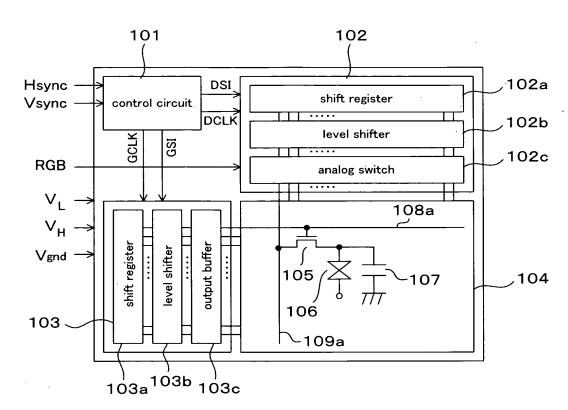
FIG. 10



LIQUID CRYSTAL DISPLAY... Sugiura et al.

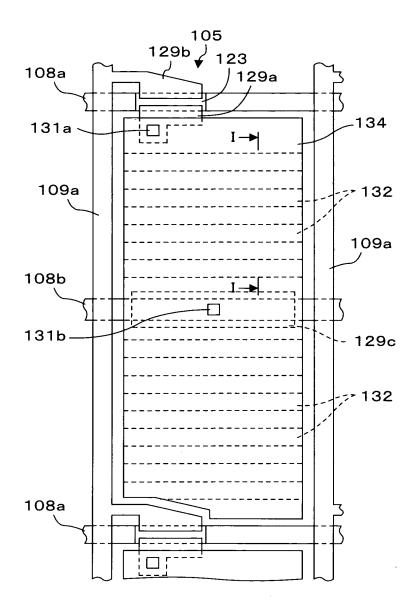
Greer, Burns & Crain, Ltd. (Patrick Burns)
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FIG. 11



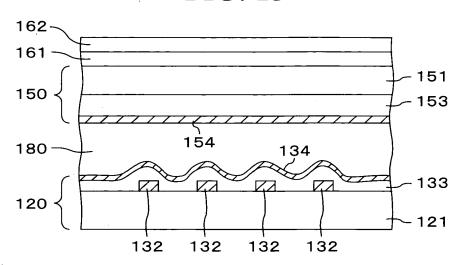
LIQUID CRYSTAL DISPLAY... Dec 12, 2003
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FIG. 12



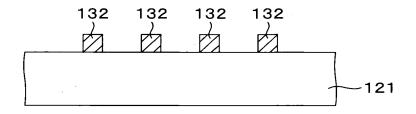
LIQUID CRYSTAL DISPLAY... Dec 12, 2003 Sugiura et al. Greer, Burns & Crain, Ltd. (Patrick Burns) Ref. No. 1508.68798 Sheet 9 of 26 (312) 360 0080

FIG. 13

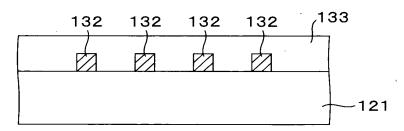


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### FIG. 14A

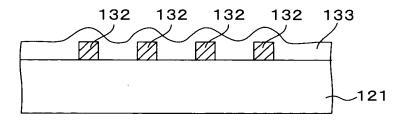


# FIG. 14B

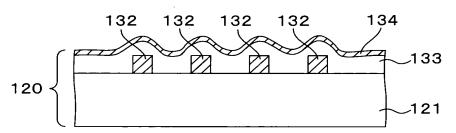


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FIG. 14C

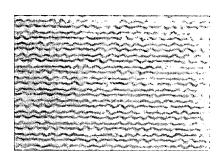


# FIG. 14D



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FIG. 15



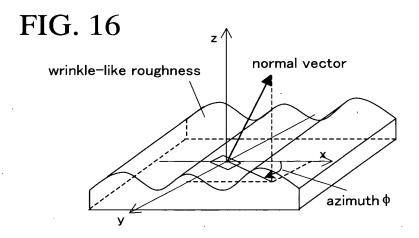
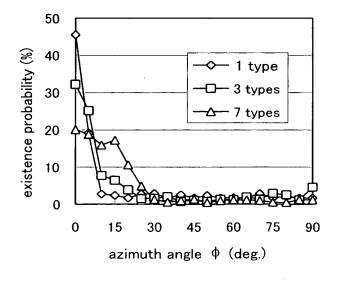


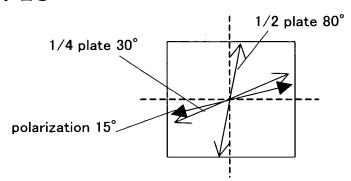
FIG. 17



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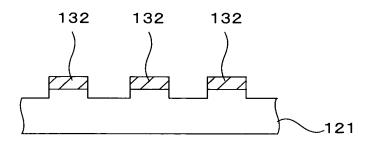
## FIG. 18

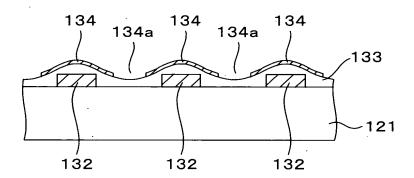


٠	liquid crystal	reflective electrode	azimuth	reflectance	contrast
Example 1	n type	wrinkle-like	1 type	71.2%	41
Example 2	n type	wrinkle-like	3 types	53.5%	36
Example 3	n type	wrinkle-like	5 types	33.3%	43
Example 4	n type	wrinkle-like	9 types	27.0%	37
Example 5	p type	wrinkle-like	1 type	70.9%	16
Example 6	p type	wrinkle-like	9 types	28.3%	17
Comparative Example 1	n type	random	_	20.3%	40
Comparative Example 2	p type	random	_	21.2%	16

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FIG. 20





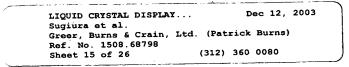
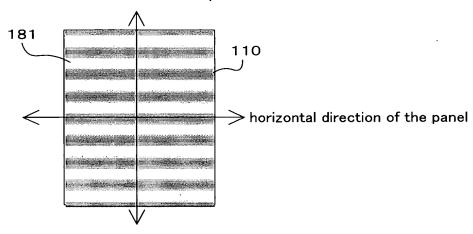
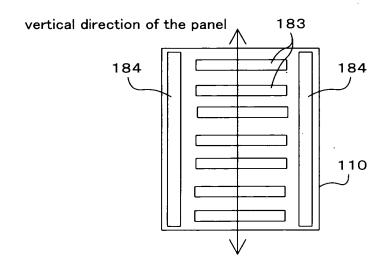


FIG. 22







LIQUID CRYSTAL DISPLAY... Dec 12, 2003 Sugiura et al. Greer, Burns & Crain, Ltd. (Patrick Burns) Ref. No. 1508.68798 Sheet 16 of 26 (312) 360 0080

FIG. 24

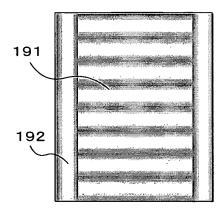
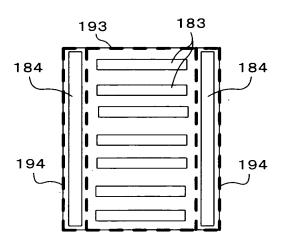
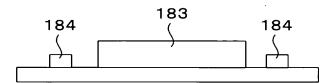


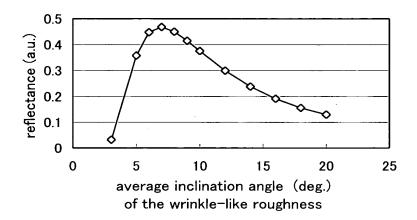
FIG. 25



LIQUID CRYSTAL DISPLAY... Dec 12, 2003 Sugiura et al. Greer, Burns & Crain, Ltd. (Patrick Burns) Ref. No. 1508.68798 Sheet 17 of 26 (312) 360 0080

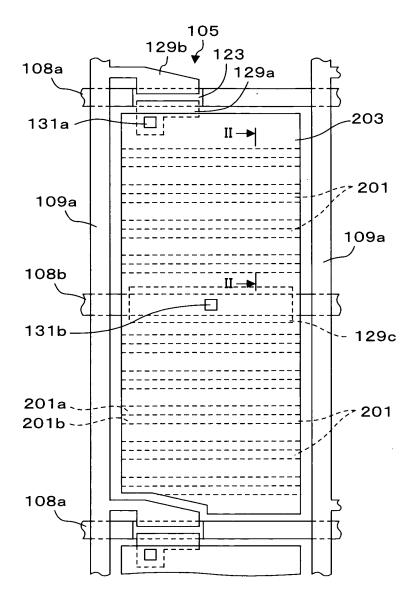
FIG. 26





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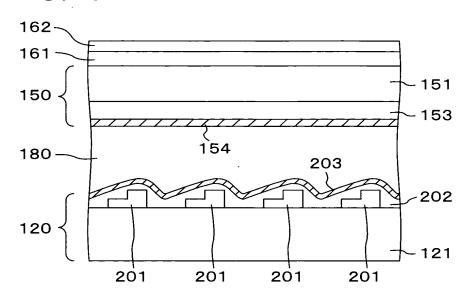
FIG. 28



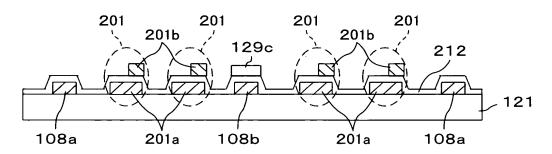
.....

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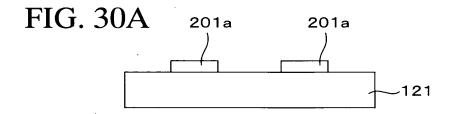
FIG. 29A

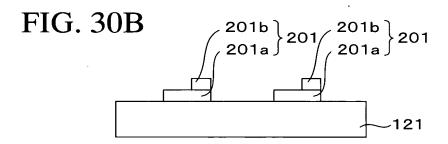


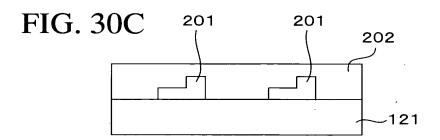
# FIG. 29B



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FIG. 30D

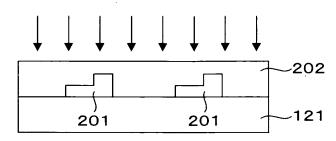
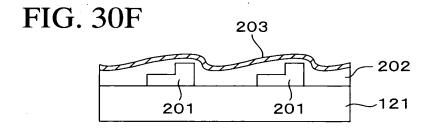
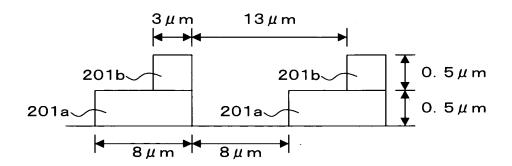


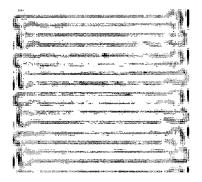
FIG. 30E



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FIG. 31

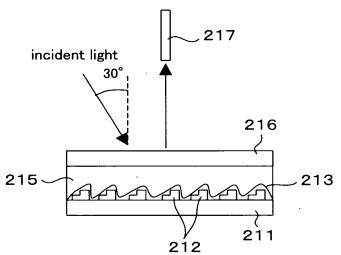




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FIG. 33

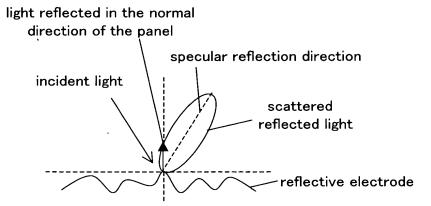
#### detector (normal direction of the panel)



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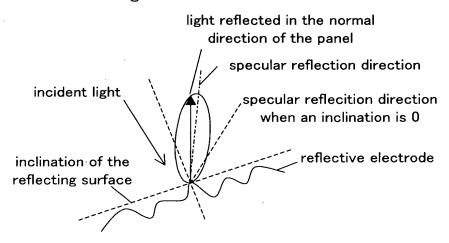
#### **FIG. 34A**

#### wrinkle-like roughness not formed like the blaze

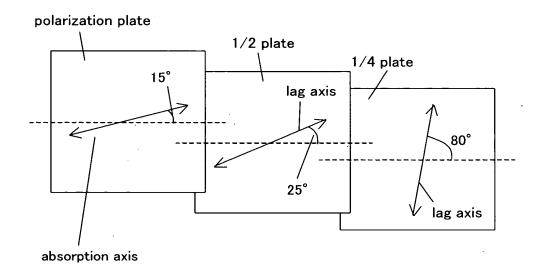


#### **FIG. 34B**

#### wrinkle-like roughness formed like the blaze



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FIG. 36

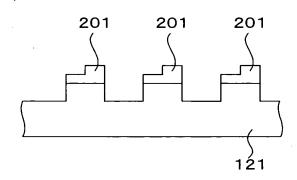


FIG. 37

